

What is claimed is:

1 1. A method for controlling a positioning
2 device of an internal combustion engine, the method
3 comprising the steps of:
4 detecting a commanded position of said
5 positioning, device;
6 detecting a sensed position of said positioning
7 device;
8 forming a dynamic feedforward term based upon
9 said commanded position; and
10 forming a control action based upon said dynamic
11 feedforward term.

1 2. The method as recited in claim 1, further
2 comprising the step of enabling said dynamic
3 feedforward term for a first encountered step change
4 in throttle position command.

1 3. The method as recited in claim 2, further
2 comprising the step of disabling said dynamic
3 feedforward term after said step change in throttle
4 position command.

1 4. The method as recited in claim 3, further
2 comprising the step of re-enabling said dynamic
3 feedforward term for a large step.

1 5. The method as recited in claim 4, wherein
2 said large step comprises a step larger than 0.75
3 degrees.

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1 6. The method as recited in claim 4, further
2 comprising the step of re-enabling said dynamic
3 feedforward term when no step input changes for a
4 predetermined period of time.

1 7. The method as recited in claim 6, said
2 predetermined period of time is approximately sixteen
3 milliseconds.

1 8. The method as recited in claim 7, further
2 comprising the step of re-enabling said dynamic
3 feedforward term when a requested step input changes
4 sign.

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